



PF-0634 USN

Part of
Paper No. 14/A

<110> INCYTE GENOMICS, INC.; TANG, Y. Tom;
HILLMAN, Jennifer L.; YUE, Henry;
LAL, Preeti; BANDMAN, Olga;
CORLEY, Neil C.; GUEGLER, Karl J.;
BAUGHN, Mariah R.; LU, Dyung Aina M.;
AZIMZAI, Yalda; YANG, Junming

<120> HUMAN HYDROLASE PROTEINS

<130> PF-0634 USN

<140> US 09/831,455

<141> To Be Assigned

<150> PCT/US99/27009

<151> 1999-11-12

<150> US 60/135,519

<151> 1999-05-21

<150> US 60/172,256

<151> 1998-11-12

<160> 35

<170> PERL Program

<210> 1

<211> 159

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2293764CD1

<400> 1

Met	Lys	Ala	Trp	Gly	Thr	Val	Val	Val	Thr	Leu	Ala	Thr	Leu	Met
1				5					10					15
Val	Val	Thr	Val	Asp	Ala	Lys	Ile	Tyr	Glu	Leu	Cys	Glu	Leu	Ala
				20					25					30
Ala	Arg	Leu	Glu	Arg	Ala	Gly	Leu	Asn	Gly	Tyr	Lys	Gly	Tyr	Gly
				35					40					45
Val	Gly	Asp	Trp	Leu	Cys	Met	Ala	His	Tyr	Glu	Ser	Gly	Phe	Asp
				50					55					60
Thr	Ala	Phe	Val	Asp	His	Asn	Pro	Asp	Gly	Ser	Ser	Glu	Tyr	Gly
				65					70					75
Ile	Phe	Gln	Leu	Asn	Ser	Ala	Trp	Trp	Cys	Asp	Asn	Gly	Ile	Thr
				80					85					90
Pro	Thr	Lys	Asn	Leu	Cys	His	Met	Asp	Cys	His	Asp	Leu	Leu	Asn
				95					100					105
Arg	His	Ile	Leu	Asp	Asp	Ile	Arg	Cys	Ala	Lys	Gln	Ile	Val	Ser
				110					115					120
Ser	Gln	Asn	Gly	Leu	Ser	Ala	Trp	Thr	Ser	Trp	Arg	Leu	His	Cys
				125					130					135

PF-0634 USN

Ser Gly His Asp Leu Ser Glu Trp Leu Lys Gly Cys Asp Met His
140 145 150
Val Lys Ile Asp Pro Lys Ile His Pro
155

<210> 2
<211> 285
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 949738CD1

<400> 2
Met Gly Thr Pro Gly Glu Gly Leu Gly Arg Cys Ser His Ala Leu
1 5 10 15
Ile Arg Gly Val Pro Glu Ser Leu Ala Ser Gly Glu Gly Ala Gly
20 25 30
Ala Gly Leu Pro Ala Leu Asp Leu Ala Lys Ala Gln Arg Glu His
35 40 45
Gly Val Leu Gly Gly Lys Leu Arg Gln Arg Leu Gly Leu Gln Leu
50 55 60
Leu Glu Leu Pro Pro Glu Glu Ser Leu Pro Leu Gly Pro Leu Leu
65 70 75
Gly Asp Thr Ala Val Ile Gln Gly Asp Thr Ala Leu Ile Thr Arg
80 85 90
Pro Trp Ser Pro Ala Arg Arg Pro Glu Val Asp Gly Val Arg Lys
95 100 105
Ala Leu Gln Asp Leu Gly Leu Arg Ile Val Glu Ile Gly Asp Glu
110 115 120
Asn Ala Thr Leu Asp Gly Thr Asp Val Leu Phe Thr Gly Arg Glu
125 130 135
Phe Phe Val Gly Leu Ser Lys Trp Thr Asn His Arg Gly Ala Glu
140 145 150
Ile Val Ala Asp Thr Phe Arg Asp Phe Ala Val Ser Thr Val Pro
155 160 165
Val Ser Gly Pro Ser His Leu Arg Gly Leu Cys Gly Met Gly Gly
170 175 180
Pro Arg Thr Val Val Ala Gly Ser Ser Asp Ala Ala Gln Lys Ala
185 190 195
Val Arg Ala Met Ala Val Leu Thr Asp His Pro Tyr Ala Ser Leu
200 205 210
Thr Leu Pro Asp Asp Ala Ala Ala Asp Cys Leu Phe Leu Arg Pro
215 220 225
Gly Leu Pro Gly Val Pro Pro Phe Leu Leu His Arg Gly Gly Gly
230 235 240
Asp Leu Pro Asn Ser Gln Glu Ala Leu Gln Lys Leu Ser Asp Val
245 250 255
Thr Leu Val Pro Val Ser Cys Ser Glu Leu Glu Lys Ala Gly Ala
260 265 270
Gly Leu Ser Ser Leu Cys Leu Val Leu Ser Thr Arg Pro His Ser
275 280 285

PF-0634 USN

<210> 3

<211> 331

<212> PRT

<213> Homo sapiens .

<220>

<221> misc_feature

<223> Incyte ID No: 1297034CD1

<400> 3

Met	Trp	Leu	Trp	Glu	Asp	Gln	Gly	Gly	Leu	Leu	Gly	Pro	Phe	Ser
1				5					10					15
Phe	Leu	Leu	Leu	Val	Leu	Leu	Leu	Val	Thr	Arg	Ser	Pro	Val	Asn
				20					25					30
Ala	Cys	Leu	Leu	Thr	Gly	Ser	Leu	Phe	Val	Leu	Leu	Arg	Val	Phe
				35					40					45
Ser	Phe	Glu	Pro	Val	Pro	Ser	Cys	Arg	Ala	Leu	Gln	Val	Leu	Lys
				50					55					60
Pro	Arg	Asp	Arg	Ile	Ser	Ala	Ile	Ala	His	Arg	Gly	Gly	Ser	His
				65					70					75
Asp	Ala	Pro	Glu	Asn	Thr	Leu	Ala	Ala	Ile	Arg	Gln	Ala	Ala	Lys
				80					85					90
Asn	Gly	Ala	Thr	Gly	Val	Glu	Leu	Asp	Ile	Glu	Phe	Thr	Ser	Asp
				95					100					105
Gly	Ile	Pro	Val	Leu	Met	His	Asp	Asn	Thr	Val	Asp	Arg	Thr	Thr
				110					115					120
Asp	Gly	Thr	Gly	Arg	Leu	Cys	Asp	Leu	Thr	Phe	Glu	Gln	Ile	Arg
				125					130					135
Lys	Leu	Asn	Pro	Ala	Ala	Asn	His	Arg	Leu	Arg	Asn	Asp	Phe	Pro
				140					145					150
Asp	Glu	Lys	Ile	Pro	Thr	Leu	Arg	Glu	Ala	Val	Ala	Glu	Cys	Leu
				155					160					165
Asn	His	Asn	Leu	Thr	Ile	Phe	Phe	Asp	Val	Lys	Gly	His	Ala	His
				170					175					180
Lys	Ala	Thr	Glu	Ala	Leu	Lys	Lys	Met	Tyr	Met	Glu	Phe	Pro	Gln
				185					190					195
Leu	Tyr	Asn	Asn	Ser	Val	Val	Cys	Ser	Phe	Leu	Pro	Glu	Val	Ile
				200					205					210
Tyr	Lys	Met	Arg	Gln	Thr	Asp	Arg	Asp	Val	Ile	Thr	Ala	Leu	Thr
				215					220					225
His	Arg	Pro	Trp	Ser	Leu	Ser	His	Thr	Gly	Asp	Gly	Lys	Pro	Arg
				230					235					240
Tyr	Asp	Thr	Phe	Trp	Lys	His	Phe	Ile	Phe	Val	Met	Met	Asp	Ile
				245					250					255
Leu	Leu	Asp	Trp	Ser	Met	His	Asn	Ile	Leu	Trp	Tyr	Leu	Cys	Gly
				260					265					270
Ile	Ser	Ala	Phe	Leu	Met	Gln	Lys	Asp	Phe	Val	Ser	Pro	Ala	Tyr
				275					280					285
Leu	Lys	Lys	Trp	Ser	Ala	Lys	Gly	Ile	Gln	Val	Val	Gly	Trp	Thr
				290					295					300
Val	Asn	Thr	Phe	Asp	Glu	Lys	Ser	Tyr	Tyr	Glu	Ser	His	Leu	Gly
				305					310					315
Ser	Ser	Tyr	Ile	Thr	Asp	Ser	Met	Val	Glu	Asp	Cys	Glu	Pro	His

PF-0634 USN

Phe 320 325 330

<210> 4
<211> 153
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1553276CD1

<400> 4
Met Ala Ala Ala Leu Ala Leu Val Ala Gly Val Leu Ser Gly Ala
1 5 10 15
Val Leu Pro Leu Trp Ser Ala Leu Pro Gln Tyr Lys Lys Lys Ile
20 25 30
Thr Asp Arg Cys Phe His His Ser Glu Cys Tyr Ser Gly Cys Cys
35 40 45
Leu Met Asp Leu Asp Ser Gly Gly Ala Phe Cys Ala Pro Arg Ala
50 55 60
Arg Ile Thr Met Ile Cys Leu Pro Gln Trp Leu Glu Leu Phe Lys
65 70 75
Gly Arg Asp Cys Ile Ile Phe Ile Tyr Glu Ala Pro Thr Pro Ser
80 85 90
Leu Val Ser Ala His Asn Gln Gly Ser Tyr Gln His His Leu Pro
95 100 105
Leu Pro Asp Gly Leu Asp Val His Ile Gln Gly Leu Asp Val Phe
110 115 120
Pro Pro Val Pro Tyr Asp Leu Glu Glu Asp Ala Gly Trp Ser Leu
125 130 135
Leu Pro Trp Gly His Arg Pro Trp Leu Pro Pro Thr Cys Ser Lys
140 145 150
Ser Ser Ser

<210> 5
<211> 571
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1702211CD1

<400> 5
Met Glu Arg Ala Val Arg Val Glu Ser Gly Val Leu Val Gly Val
1 5 10 15
Val Cys Leu Leu Leu Ala Cys Pro Ala Thr Ala Thr Gly Pro Glu
20 25 30
Val Ala Gln Pro Gln Val Asp Thr Thr Leu Gly Arg Val Arg Gly
35 40 45
Arg Gln Val Gly Val Lys Gly Thr Asp Arg Leu Val Asn Val Phe

	50		55		60
Leu Gly Ile Pro Phe Ala Gln Pro Pro		Leu Gly Pro Asp Arg Phe			
	65		70		75
Ser Ala Pro His Pro Ala Gln Pro Trp		Glu Gly Val Arg Asp Ala			
	80		85		90
Ser Thr Ala Pro Pro Met Cys Leu Gln		Asp Val Glu Ser Met Asn			
	95		100		105
Ser Ser Arg Phe Val Leu Asn Gly Lys		Gln Gln Ile Phe Ser Val			
	110		115		120
Ser Glu Asp Cys Leu Val Leu Asn Val		Tyr Ser Pro Ala Glu Val			
	125		130		135
Pro Ala Gly Ser Gly Arg Pro Val Met		Val Trp Val His Gly Gly			
	140		145		150
Ala Leu Ile Thr Gly Ala Ala Thr Ser		Tyr Asp Gly Ser Ala Leu			
	155		160		165
Ala Ala Tyr Gly Asp Val Val Val Val		Thr Val Gln Tyr Arg Leu			
	170		175		180
Gly Val Leu Gly Phe Phe Ser Thr Gly		Asp Glu His Ala Pro Gly			
	185		190		195
Asn Gln Gly Phe Leu Asp Val Val Ala		Ala Leu Arg Trp Val Gln			
	200		205		210
Glu Asn Ile Ala Pro Phe Gly Gly Asp		Leu Asn Cys Val Thr Val			
	215		220		225
Phe Gly Gly Ser Ala Gly Gly Ser Ile		Ile Ser Gly Leu Val Leu			
	230		235		240
Ser Pro Val Ala Ala Gly Leu Phe His		Arg Ala Ile Thr Gln Ser			
	245		250		255
Gly Val Ile Thr Thr Pro Gly Ile Ile		Asp Ser His Pro Trp Pro			
	260		265		270
Leu Ala Gln Lys Ile Ala Asn Thr Leu		Ala Cys Ser Ser Ser Ser			
	275		280		285
Pro Ala Glu Met Val Gln Cys Leu Gln		Gln Lys Glu Gly Glu Glu			
	290		295		300
Leu Val Leu Ser Lys Lys Leu Lys Asn		Thr Ile Tyr Pro Leu Thr			
	305		310		315
Val Asp Gly Thr Val Phe Pro Lys Ser		Pro Lys Glu Leu Leu Lys			
	320		325		330
Glu Lys Pro Phe His Ser Val Pro Phe		Leu Met Gly Val Asn Asn			
	335		340		345
His Glu Phe Ser Trp Leu Ile Pro Arg		Gly Trp Gly Leu Leu Asp			
	350		355		360
Thr Met Glu Gln Met Ser Arg Glu Asp		Met Leu Ala Ile Ser Thr			
	365		370		375
Pro Val Leu Thr Ser Leu Asp Val Pro		Pro Glu Met Met Pro Thr			
	380		385		390
Val Ile Asp Glu Tyr Leu Gly Ser Asn		Ser Asp Ala Gln Ala Lys			
	395		400		405
Cys Gln Ala Phe Gln Glu Phe Met Gly		Asp Val Phe Ile Asn Val			
	410		415		420
Pro Thr Val Ser Phe Ser Arg Tyr Leu		Arg Asp Ser Gly Ser Pro			
	425		430		435
Val Phe Phe Tyr Glu Phe Gln His Arg		Pro Ser Ser Phe Ala Lys			
	440		445		450
Ile Lys Pro Ala Trp Val Lys Ala Asp		His Gly Ala Glu Gly Ala			

PF-0634 USN

	455		460		465
Phe Val Phe Gly Gly Pro Phe Leu Met Asp Glu Ser Ser Arg Leu					
	470		475		480
Ala Phe Pro Glu Ala Thr Glu Glu Glu Lys Gln Leu Ser Leu Thr					
	485		490		495
Met Met Ala Gln Trp Thr His Phe Ala Arg Thr Gly Asp Pro Asn					
	500		505		510
Ser Lys Ala Leu Pro Pro Trp Pro Gln Phe Asn Gln Ala Glu Gln					
	515		520		525
Tyr Leu Glu Ile Asn Pro Val Pro Arg Ala Gly Gln Lys Phe Arg					
	530		535		540
Glu Ala Trp Met Gln Phe Trp Ser Glu Thr Leu Pro Ser Lys Ile					
	545		550		555
Gln Gln Trp His Gln Lys Gln Lys Asn Arg Lys Ala Gln Glu Asp					
	560		565		570
Leu					

<210> 6

<211> 347

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1859618CD1

<400> 6

Met Ser Ser Trp Ser Arg Gln Arg Pro Lys Ser Pro Gly Gly Ile					
1	5		10		15
Gln Pro His Val Ser Arg Thr Leu Phe Leu Leu Leu Leu Ala					
	20		25		30
Ala Ser Ala Trp Gly Val Thr Leu Ser Pro Lys Asp Cys Gln Val					
	35		40		45
Phe Arg Ser Asp His Gly Ser Ser Ile Ser Cys Gln Pro Pro Ala					
	50		55		60
Glu Ile Pro Gly Tyr Leu Pro Ala Asp Thr Val His Leu Ala Val					
	65		70		75
Glu Phe Phe Asn Leu Thr His Leu Pro Ala Asn Leu Leu Gln Gly					
	80		85		90
Ala Ser Lys Leu Gln Glu Leu His Leu Ser Ser Asn Gly Leu Glu					
	95		100		105
Ser Leu Ser Pro Glu Phe Leu Arg Pro Val Pro Gln Leu Arg Val					
	110		115		120
Leu Asp Leu Thr Arg Asn Ala Leu Thr Gly Leu Pro Pro Gly Leu					
	125		130		135
Phe Gln Ala Ser Ala Thr Leu Asp Thr Leu Val Leu Lys Glu Asn					
	140		145		150
Gln Leu Glu Val Leu Glu Val Ser Trp Leu His Gly Leu Lys Ala					
	155		160		165
Leu Gly His Leu Asp Leu Ser Gly Asn Arg Leu Arg Lys Leu Pro					
	170		175		180
Pro Gly Leu Leu Ala Asn Phe Thr Leu Leu Arg Thr Leu Asp Leu					
	185		190		195

PF-0634 USN

Gly	Glu	Asn	Gln	Leu	Glu	Thr	Leu	Pro	Pro	Asp	Leu	Leu	Arg	Gly	
				200					205					210	
Pro	Leu	Gln	Leu	Glu	Arg	Leu	His	Leu	Glu	Gly	Asn	Lys	Leu	Gln	
				215					220					225	
Val	Leu	Gly	Lys	Asp	Leu	Leu	Leu	Pro	Gln	Pro	Asp	Leu	Arg	Tyr	
				230					235					240	
Leu	Phe	Leu	Asn	Gly	Asn	Lys	Leu	Ala	Arg	Val	Ala	Ala	Gly	Ala	
				245					250					255	
Phe	Gln	Gly	Leu	Arg	Gln	Leu	Asp	Met	Leu	Asp	Leu	Ser	Asn	Asn	
				260					265					270	
Ser	Leu	Ala	Ser	Val	Pro	Glu	Gly	Leu	Trp	Ala	Ser	Leu	Gly	Gln	
				275					280					285	
Pro	Asn	Trp	Asp	Met	Arg	Asp	Gly	Phe	Asp	Ile	Ser	Gly	Asn	Pro	
				290					295					300	
Trp	Ile	Cys	Asp	Gln	Asn	Leu	Ser	Asp	Leu	Tyr	Arg	Trp	Leu	Gln	
				305					310					315	
Ala	Gln	Lys	Asp	Lys	Met	Phe	Ser	Gln	Asn	Asp	Thr	Arg	Cys	Ala	
				320					325					330	
Gly	Pro	Glu	Ala	Val	Lys	Gly	Gln	Thr	Leu	Leu	Ala	Val	Ala	Lys	
				335					340					345	

Ser Gln

<210> 7

<211> 194

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2011071CD1

<400> 7

Met	Gln	Asp	Ala	Pro	Leu	Ser	Cys	Leu	Ser	Pro	Thr	Arg	Trp	Ser	
1				5					10					15	
Ser	Val	Ser	Ser	Ala	Asp	Ser	Thr	Glu	Lys	Ser	Ala	Ser	Gly	Ala	
				20					25					30	
Gly	Thr	Arg	Asn	Leu	Pro	Phe	Gln	Phe	Cys	Leu	Arg	Gln	Ala	Leu	
				35					40					45	
Arg	Met	Lys	Ala	Ala	Gly	Ile	Leu	Thr	Leu	Ile	Gly	Cys	Leu	Val	
				50					55					60	
Thr	Gly	Ala	Glu	Ser	Lys	Ile	Tyr	Thr	Arg	Cys	Lys	Leu	Ala	Lys	
				65					70					75	
Ile	Phe	Ser	Arg	Ala	Gly	Leu	Asp	Asn	Tyr	Trp	Gly	Phe	Ser	Leu	
				80					85					90	
Gly	Asn	Trp	Ile	Cys	Met	Ala	Tyr	Tyr	Glu	Ser	Gly	Tyr	Asn	Thr	
				95					100					105	
Thr	Ala	Pro	Thr	Val	Leu	Asp	Asp	Gly	Ser	Ile	Asp	Tyr	Gly	Ile	
				110					115					120	
Phe	Gln	Ile	Asn	Thr	Phe	Ala	Trp	Cys	Arg	Arg	Gly	Lys	Leu	Lys	
				125					130					135	
Glu	Asn	Asn	His	Cys	His	Val	Ala	Cys	Ser	Ala	Leu	Ile	Thr	Asp	
				140					145					150	
Asp	Leu	Thr	Asp	Ala	Ile	Ile	Cys	Ala	Arg	Lys	Ile	Val	Lys	Glu	

PF-0634 USN

	155		160		165
Thr Gln Gly Met Asn Tyr Trp Gln Gly	Trp Lys Lys His Cys Glu				
	170		175		180
Gly Arg Asp Leu Ser Glu Trp Lys Lys	Gly Cys Glu Val Ser				
	185		190		

<210> 8

<211> 361

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2186517CD1

<400> 8

Met Ala Trp Gln Gly Trp Pro Ala Ala Trp Gln Trp Val Ala Gly		
1	5	10
Cys Trp Leu Leu Leu Val Leu Val Leu Val Leu Leu Val Ser Pro		
	20	25
Arg Gly Cys Arg Ala Arg Arg Gly Leu Arg Gly Leu Leu Met Ala		
	35	40
His Ser Gln Arg Leu Leu Phe Arg Ile Gly Tyr Ser Leu Tyr Thr		
	50	55
Arg Thr Trp Leu Gly Tyr Leu Phe Tyr Arg Gln Gln Leu Arg Arg		
	65	70
Ala Arg Asn Arg Tyr Pro Lys Gly His Ser Lys Thr Gln Thr Arg		
	80	85
Leu Phe Asn Gly Val Lys Val Leu Pro Ile Pro Val Leu Ser Asp		
	95	100
Asn Tyr Ser Tyr Leu Ile Ile Asp Thr Gln Ala Gln Leu Ala Val		
	110	115
Ala Val Asp Pro Ser Asp Pro Arg Ala Val Gln Ala Ser Ile Glu		
	125	130
Lys Glu Gly Val Thr Leu Val Ala Ile Leu Cys Thr His Lys His		
	140	145
Trp Asp His Ser Gly Gly Asn Arg Asp Leu Ser Arg Arg His Arg		
	155	160
Asp Cys Arg Val Tyr Gly Ser Pro Gln Asp Gly Ile Pro Tyr Leu		
	170	175
Thr His Pro Leu Cys His Gln Asp Val Val Ser Val Gly Arg Leu		
	185	190
Gln Ile Arg Ala Leu Ala Thr Pro Gly His Thr Gln Gly His Leu		
	200	205
Val Tyr Leu Leu Asp Gly Glu Pro Tyr Lys Gly Pro Ser Cys Leu		
	215	220
Phe Ser Gly Asp Leu Leu Phe Leu Ser Gly Cys Gly Arg Thr Phe		
	230	235
Glu Gly Asn Ala Glu Thr Met Leu Ser Ser Leu Asp Thr Val Leu		
	245	250
Gly Leu Gly Asp Asp Thr Leu Leu Trp Pro Gly His Glu Tyr Ala		
	260	265
Glu Glu Asn Leu Gly Phe Ala Gly Val Val Glu Pro Glu Asn Leu		
	275	280

PF-0634 USN

Ala Arg Glu Arg Lys Met Gln Trp Val Gln Arg Gln Arg Leu Glu		
	290	300
Arg Lys Gly Thr Cys Pro Ser Thr Leu Gly Glu Glu Arg Ser Tyr		
	305	315
Asn Pro Phe Leu Arg Thr His Cys Leu Ala Leu Gln Glu Ala Leu		
	320	330
Gly Pro Gly Pro Gly Pro Thr Gly Asp Asp Asp Tyr Ser Arg Ala		
	335	345
Gln Leu Leu Glu Glu Leu Arg Arg Leu Lys Asp Met His Lys Ser		
	350	360

Lys

<210> 9

<211> 306

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2253585CD1

<400> 9

Met Leu Arg Trp Thr Arg Ala Trp Arg Leu Pro Arg Glu Gly Leu		
1 5 10 15		
Gly Pro His Gly Pro Ser Phe Ala Arg Val Pro Val Ala Pro Ser		
20 25 30		
Ser Ser Ser Gly Gly Arg Gly Gly Ala Glu Pro Arg Pro Leu Pro		
35 40 45		
Leu Ser Tyr Arg Leu Leu Asp Gly Glu Ala Ala Leu Pro Ala Val		
50 55 60		
Val Phe Leu His Gly Leu Phe Gly Ser Lys Thr Asn Phe Asn Ser		
65 70 75		
Ile Ala Lys Ile Leu Ala Gln Gln Thr Gly Arg Arg Val Leu Thr		
80 85 90		
Val Asp Ala Arg Asn His Gly Asp Ser Pro His Ser Pro Asp Met		
95 100 105		
Ser Tyr Glu Ile Met Ser Gln Asp Leu Gln Asp Leu Leu Pro Gln		
110 115 120		
Leu Gly Leu Val Pro Cys Val Val Val Gly His Ser Met Gly Gly		
125 130 135		
Lys Thr Ala Met Leu Leu Ala Leu Gln Arg Pro Glu Leu Val Glu		
140 145 150		
Arg Leu Ile Ala Val Asp Ile Ser Pro Val Glu Ser Thr Gly Val		
155 160 165		
Ser His Phe Ala Thr Tyr Val Ala Ala Met Arg Ala Ile Asn Ile		
170 175 180		
Ala Asp Glu Leu Pro Arg Ser Arg Ala Arg Lys Leu Ala Asp Glu		
185 190 195		
Gln Leu Ser Ser Val Ile Gln Asp Met Ala Val Arg Gln His Leu		
200 205 210		
Leu Thr Asn Leu Val Glu Val Asp Gly Arg Phe Val Trp Arg Val		
215 220 225		
Asn Leu Asp Ala Leu Thr Gln His Leu Asp Lys Ile Leu Ala Phe		

PF-0634 USN

230	235	240
Pro Gln Arg Gln Glu Ser Tyr Leu Gly	Pro Thr Leu Phe Leu Leu	
245	250	255
Gly Gly Asn Ser Gln Phe Val His Pro	Ser His His Pro Glu Ile	
260	265	270
Met Arg Leu Phe Pro Arg Ala Gln Met	Gln Thr Val Pro Asn Ala	
275	280	285
Gly His Trp Ile His Ala Asp Arg Pro	Gln Asp Phe Ile Ala Ala	
290	295	300
Ile Arg Gly Phe Leu Val		
305		

<210> 10

<211> 483

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2447520CD1

<400> 10

Met Ser Asn Lys Leu Leu Ser Pro His Pro His Ser Val Val Leu		
1 5 10 15		
Arg Ser Glu Phe Lys Met Ala Ser Ser Pro Ala Val Leu Arg Ala		
20 25 30		
Ser Arg Leu Tyr Gln Trp Ser Leu Lys Ser Ser Ala Gln Phe Leu		
35 40 45		
Gly Ser Pro Gln Leu Arg Gln Val Gly Gln Ile Ile Arg Val Pro		
50 55 60		
Ala Arg Met Ala Ala Thr Leu Ile Leu Glu Pro Ala Gly Arg Cys		
65 70 75		
Cys Trp Asp Glu Pro Val Arg Ile Ala Val Arg Gly Leu Ala Pro		
80 85 90		
Glu Gln Pro Val Thr Leu Arg Ala Ser Leu Arg Asp Glu Lys Gly		
95 100 105		
Ala Leu Phe Gln Ala His Ala Arg Tyr Arg Ala Asp Thr Leu Gly		
110 115 120		
Glu Leu Asp Leu Glu Arg Ala Pro Ala Leu Gly Gly Ser Phe Ala		
125 130 135		
Gly Leu Glu Pro Met Gly Leu Leu Trp Ala Leu Glu Pro Glu Lys		
140 145 150		
Pro Leu Val Arg Leu Val Lys Arg Asp Val Arg Thr Pro Leu Ala		
155 160 165		
Val Glu Leu Glu Val Leu Asp Gly His Asp Pro Asp Pro Gly Arg		
170 175 180		
Leu Leu Cys Gln Thr Arg His Glu Arg Tyr Phe Leu Pro Pro Gly		
185 190 195		
Val Arg Arg Glu Pro Val Arg Val Gly Arg Val Arg Gly Thr Leu		
200 205 210		
Phe Leu Pro Pro Glu Pro Gly Pro Phe Pro Gly Ile Val Asp Met		
215 220 225		
Phe Gly Thr Gly Gly Gly Leu Leu Glu Tyr Arg Ala Ser Leu Leu		
230 235 240		

PF-0634 USN

Ala Gly Lys Gly	Phe Ala Val Met Ala	Leu Ala Tyr Tyr Asn Tyr	
	245	250	255
Glu Asp Leu Pro	Lys Thr Met Glu Thr	Leu His Leu Glu Tyr Phe	
	260	265	270
Glu Glu Ala Met	Asn Tyr Leu Leu Ser	His Pro Glu Val Lys Gly	
	275	280	285
Pro Gly Val Gly	Leu Leu Gly Ile Ser	Lys Gly Gly Glu Leu Cys	
	290	295	300
Leu Ser Met Ala	Ser Phe Leu Lys Gly	Ile Thr Ala Ala Val Val	
	305	310	315
Ile Asn Gly Ser	Val Ala Asn Val Gly	Gly Thr Leu Arg Tyr Lys	
	320	325	330
Gly Glu Thr Leu	Pro Pro Val Gly Val	Asn Arg Asn Arg Ile Lys	
	335	340	345
Val Thr Lys Asp	Gly Tyr Ala Asp Ile	Val Asp Val Leu Asn Ser	
	350	355	360
Pro Leu Glu Gly	Pro Asp Gln Lys Ser	Phe Ile Pro Val Glu Arg	
	365	370	375
Ala Glu Ser Thr	Phe Leu Phe Leu Val	Gly Gln Asp Asp His Asn	
	380	385	390
Trp Lys Ser Glu	Phe Tyr Ala Asn Glu	Ala Cys Lys Arg Leu Gln	
	395	400	405
Ala His Gly Arg	Arg Lys Pro Gln Ile	Ile Cys Tyr Pro Glu Thr	
	410	415	420
Gly His Tyr Ile	Glu Pro Pro Tyr Phe	Pro Leu Cys Arg Ala Ser	
	425	430	435
Leu His Ala Leu	Val Gly Ser Pro Ile	Ile Trp Gly Gly Glu Pro	
	440	445	450
Arg Ala His Ala	Met Ala Gln Val Asp	Ala Trp Lys Gln Leu Gln	
	455	460	465
Thr Phe Phe His	Lys His Leu Gly Gly	His Glu Gly Thr Ile Pro	
	470	475	480
Ser Lys Val			

<210> 11

<211> 144

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2481345CD1

<400> 11

Met Leu Leu Leu Trp Val Ser Val Val	Ala Ala Leu Ala Leu Ala	
1	5	10
Val Leu Ala Pro Gly Ala Gly Glu Gln Arg Arg Arg Ala Ala Lys		
	20	25
Ala Pro Asn Val Val Leu Val Val Ser Asp Ser Phe Asp Gly Arg		
	35	40
Leu Thr Phe His Pro Gly Ser Gln Val Val Lys Leu Pro Phe Ile		
	50	55
Asn Phe Met Lys Thr Arg Gly Thr Ser Phe Leu Asn Ala Tyr Thr		

PF-0634 USN

	65		70		75
Asn Ser Pro Ile Cys Cys Pro Ser Arg Ala Ala Met Trp Ser Gly					
	80		85		90
Leu Phe Thr His Leu Thr Glu Ser Trp Asn Asn Phe Lys Gly Leu					
	95		100		105
Asp Pro Asn Tyr Thr Thr Trp Met Asp Val Met Glu Arg His Gly					
	110		115		120
Tyr Arg Thr Gln Lys Phe Gly Lys Leu Asp Tyr Thr Ser Gly His					
	125		130		135
His Ser Ile Ser Asn Arg Val Glu Ala					
	140				

<210> 12

<211> 180

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2484020CD1

<400> 12

Met Met Lys Phe Lys Pro Asn Gln Thr Arg Thr Tyr Asp Arg Glu					
1	5		10		15
Gly Phe Lys Lys Arg Ala Ala Cys Leu Cys Phe Arg Ser Glu Gln					
	20		25		30
Glu Asp Glu Val Leu Leu Val Ser Ser Ser Arg Tyr Pro Asp Gln					
	35		40		45
Trp Ile Val Pro Gly Gly Gly Met Glu Pro Glu Glu Glu Pro Gly					
	50		55		60
Gly Ala Ala Val Arg Glu Val Tyr Glu Glu Ala Gly Val Lys Gly					
	65		70		75
Lys Leu Gly Arg Leu Leu Gly Ile Phe Glu Asn Gln Asp Arg Lys					
	80		85		90
His Arg Thr Tyr Val Tyr Val Leu Thr Val Thr Glu Ile Leu Glu					
	95		100		105
Asp Trp Glu Asp Ser Val Asn Ile Gly Arg Lys Arg Glu Trp Phe					
	110		115		120
Lys Val Glu Asp Ala Ile Lys Val Leu Gln Cys His Lys Pro Val					
	125		130		135
His Ala Glu Tyr Leu Glu Lys Leu Lys Leu Gly Cys Ser Pro Ala					
	140		145		150
Asn Gly Asn Ser Thr Val Pro Ser Leu Pro Asp Asn Asn Ala Leu					
	155		160		165
Phe Val Thr Ala Ala Gln Thr Ser Gly Leu Pro Ser Ser Val Arg					
	170		175		180

<210> 13

<211> 375

<212> PRT

<213> Homo sapiens

<220>

PF-0634 USN

<221> misc_feature

<223> Incyte ID No: 2862528CD1

<400> 13

Met	Ala	Arg	Pro	Gly	Leu	Ile	His	Ser	Ala	Pro	Gly	Leu	Pro	Asp
1				5					10					15
Thr	Cys	Ala	Leu	Leu	Gln	Pro	Pro	Ala	Ala	Ser	Ala	Ala	Ala	Ala
				20					25					30
Pro	Ser	Met	Ser	Gly	Pro	Asp	Val	Glu	Thr	Pro	Ser	Ala	Ile	Gln
				35					40					45
Ile	Cys	Arg	Ile	Met	Arg	Pro	Asp	Asp	Ala	Asn	Val	Ala	Gly	Asn
				50					55					60
Val	His	Gly	Gly	Thr	Ile	Leu	Lys	Met	Ile	Glu	Glu	Ala	Gly	Ala
				65					70					75
Ile	Ile	Ser	Thr	Arg	His	Cys	Asn	Ser	Gln	Asn	Gly	Glu	Arg	Cys
				80					85					90
Val	Ala	Ala	Leu	Ala	Arg	Val	Glu	Arg	Thr	Asp	Phe	Leu	Ser	Pro
				95					100					105
Met	Cys	Ile	Gly	Glu	Val	Ala	His	Val	Ser	Ala	Glu	Ile	Thr	Tyr
				110					115					120
Thr	Ser	Lys	His	Ser	Val	Glu	Val	Gln	Val	Asn	Val	Met	Ser	Glu
				125					130					135
Asn	Ile	Leu	Thr	Gly	Ala	Lys	Lys	Leu	Thr	Asn	Lys	Ala	Thr	Leu
				140					145					150
Trp	Tyr	Val	Pro	Leu	Ser	Leu	Lys	Asn	Val	Asp	Lys	Val	Leu	Glu
				155					160					165
Val	Pro	Pro	Val	Val	Tyr	Ser	Arg	Gln	Glu	Gln	Glu	Glu	Glu	Gly
				170					175					180
Arg	Lys	Arg	Tyr	Glu	Ala	Gln	Lys	Leu	Glu	Arg	Met	Glu	Thr	Lys
				185					190					195
Trp	Arg	Asn	Gly	Asp	Ile	Val	Gln	Pro	Val	Leu	Asn	Pro	Gly	Val
				200					205					210
Thr	Met	Lys	Leu	Met	Asp	Glu	Val	Ala	Gly	Ile	Val	Ala	Ala	Arg
				215					220					225
His	Cys	Lys	Thr	Asn	Ile	Val	Thr	Ala	Ser	Val	Asp	Ala	Ile	Asn
				230					235					240
Phe	His	Asp	Lys	Ile	Arg	Lys	Gly	Cys	Val	Ile	Thr	Ile	Ser	Gly
				245					250					255
Arg	Met	Thr	Phe	Thr	Ser	Asn	Lys	Ser	Met	Glu	Ile	Glu	Val	Leu
				260					265					270
Val	Asp	Ala	Asp	Pro	Val	Val	Asp	Ser	Ser	Gln	Lys	Arg	Tyr	Arg
				275					280					285
Ala	Ala	Ser	Ala	Phe	Phe	Thr	Tyr	Val	Ser	Leu	Ser	Gln	Glu	Gly
				290					295					300
Arg	Ser	Leu	Pro	Val	Pro	Gln	Leu	Val	Pro	Glu	Thr	Glu	Asp	Glu
				305					310					315
Lys	Lys	Arg	Phe	Glu	Glu	Gly	Lys	Gly	Arg	Tyr	Leu	Gln	Met	Lys
				320					325					330
Ala	Asn	Asp	Arg	Ala	Thr	Arg	Ser	Leu	Ser	Pro	Arg	Leu	Pro	Pro
				335					340					345
Pro	Ala	Thr	Gly	Ala	Ser	Ser	Ser	His	Gly	Asn	Gly	Pro	Ser	Val
				350					355					360
Gln	Ser	Leu	Arg	Ser	Ser	Pro	Leu	Gly	Gln	Lys	Pro	Asn	Ser	His
				365					370					375

PF-0634 USN

<210> 14
<211> 637
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3200650CD1

<400> 14
Met Thr Thr Trp Ser Leu Arg Arg Arg Pro Ala Arg Thr Leu Gly
1 5 10 15
Leu Leu Leu Leu Val Val Leu Gly Phe Leu Val Leu Arg Arg Leu
20 25 30
Asp Trp Ser Thr Leu Val Pro Leu Arg Leu Arg His Arg Gln Leu
35 40 45
Gly Leu Gln Ala Lys Gly Trp Asn Phe Met Leu Glu Asp Ser Thr
50 55 60
Phe Trp Ile Phe Gly Gly Ser Ile His Tyr Phe Arg Val Pro Arg
65 70 75
Glu Tyr Trp Arg Asp Arg Leu Leu Lys Met Lys Ala Cys Gly Leu
80 85 90
Asn Thr Leu Thr Thr Tyr Val Pro Trp Asn Leu His Glu Pro Glu
95 100 105
Arg Gly Lys Phe Asp Phe Leu Trp Glu Thr Trp Thr Leu Lys Ala
110 115 120
Phe Val Leu Met Ala Ala Glu Ile Gly Leu Trp Val Ile Leu Arg
125 130 135
Pro Gly Pro Tyr Ile Cys Ser Glu Met Asp Leu Gly Gly Leu Pro
140 145 150
Ser Trp Leu Leu Gln Asp Pro Gly Met Arg Leu Arg Thr Thr Tyr
155 160 165
Lys Gly Phe Thr Glu Ala Val Asp Leu Tyr Phe Asp His Leu Met
170 175 180
Ser Arg Val Val Pro Leu Gln Tyr Lys Arg Gly Gly Pro Ile Ile
185 190 195
Ala Val Gln Val Glu Asn Glu Tyr Gly Ser Tyr Asn Lys Asp Pro
200 205 210
Ala Tyr Met Pro Tyr Val Lys Lys Ala Leu Glu Asp Arg Gly Ile
215 220 225
Val Glu Leu Leu Leu Thr Ser Asp Asn Lys Asp Gly Leu Ser Lys
230 235 240
Gly Ile Val Gln Gly Val Leu Ala Thr Ile Asn Leu Gln Ser Thr
245 250 255
His Glu Leu Gln Leu Leu Thr Thr Phe Leu Phe Asn Val Gln Gly
260 265 270
Thr Gln Pro Lys Met Val Met Glu Tyr Trp Thr Gly Trp Phe Asp
275 280 285
Ser Trp Gly Gly Pro His Asn Ile Leu Asp Ser Ser Glu Val Leu
290 295 300
Lys Thr Val Ser Ala Ile Val Asp Ala Gly Ser Ser Ile Asn Leu
305 310 315

PF-0634 USN

Tyr Met Phe His Gly Gly Thr Asn Phe Gly Phe Met Asn Gly Ala	320	325	330
Met His Phe His Asp Tyr Lys Ser Asp Val Thr Ser Tyr Asp Tyr	335	340	345
Asp Ala Val Leu Thr Glu Ala Gly Asp Tyr Thr Ala Lys Tyr Met	350	355	360
Lys Leu Arg Asp Phe Phe Gly Ser Ile Ser Gly Ile Pro Leu Pro	365	370	375
Pro Pro Pro Asp Leu Leu Pro Lys Met Pro Tyr Glu Pro Leu Thr	380	385	390
Pro Val Leu Tyr Leu Ser Leu Trp Asp Ala Leu Lys Tyr Leu Gly	395	400	405
Glu Pro Ile Lys Ser Glu Lys Pro Ile Asn Met Glu Asn Leu Pro	410	415	420
Val Asn Gly Gly Asn Gly Gln Ser Phe Gly Tyr Ile Leu Tyr Glu	425	430	435
Thr Ser Ile Thr Ser Ser Gly Ile Leu Ser Gly His Val His Asp	440	445	450
Arg Gly Gln Val Phe Val Asn Thr Val Ser Ile Gly Phe Leu Asp	455	460	465
Tyr Lys Thr Thr Lys Ile Ala Val Pro Leu Ile Gln Gly Tyr Thr	470	475	480
Val Leu Arg Ile Leu Val Glu Asn Arg Gly Arg Val Asn Tyr Gly	485	490	495
Glu Asn Ile Asp Asp Gln Arg Lys Gly Leu Ile Gly Asn Leu Tyr	500	505	510
Leu Asn Asp Ser Pro Leu Lys Asn Phe Arg Ile Tyr Ser Leu Asp	515	520	525
Met Lys Lys Ser Phe Phe Gln Arg Phe Gly Leu Asp Lys Trp Ser	530	535	540
Ser Leu Pro Glu Thr Pro Thr Leu Pro Ala Phe Phe Leu Gly Ser	545	550	555
Leu Ser Ile Ser Ser Thr Pro Cys Asp Thr Phe Leu Lys Leu Glu	560	565	570
Gly Trp Glu Lys Gly Val Val Phe Ile Asn Gly Gln Asn Leu Gly	575	580	585
Arg Tyr Trp Asn Ile Gly Pro Gln Lys Thr Leu Tyr Leu Pro Gly	590	595	600
Pro Trp Leu Ser Ser Gly Ile Asn Gln Val Ile Val Phe Glu Glu	605	610	615
Thr Met Ala Gly Pro Ala Leu Gln Phe Thr Glu Thr Pro His Leu	620	625	630
Gly Arg Asn Gln Tyr Ile Lys	635		

<210> 15

<211> 314

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 4107621CD1

PF-0634 USN

<400> 15

Met	Ser	Glu	Asn	Ala	Ala	Pro	Gly	Leu	Ile	Ser	Glu	Leu	Lys	Leu
1				5					10					15
Ala	Val	Pro	Trp	Gly	His	Ile	Ala	Ala	Lys	Ala	Trp	Gly	Ser	Leu
				20					25					30
Gln	Gly	Pro	Pro	Val	Leu	Cys	Leu	His	Gly	Trp	Leu	Asp	Asn	Ala
				35					40					45
Ser	Ser	Phe	Asp	Arg	Leu	Ile	Pro	Leu	Leu	Pro	Gln	Asp	Phe	Tyr
				50					55					60
Tyr	Val	Ala	Met	Asp	Phe	Gly	Gly	His	Gly	Leu	Ser	Ser	His	Tyr
				65					70					75
Ser	Pro	Gly	Val	Pro	Tyr	Tyr	Leu	Gln	Thr	Phe	Val	Ser	Glu	Ile
				80					85					90
Arg	Arg	Val	Val	Ala	Ala	Leu	Lys	Trp	Asn	Arg	Phe	Ser	Ile	Leu
				95					100					105
Gly	His	Ser	Phe	Gly	Gly	Val	Val	Gly	Met	Phe	Phe	Cys	Thr	
				110					115					120
Phe	Pro	Glu	Met	Val	Asp	Lys	Leu	Ile	Leu	Leu	Asp	Thr	Pro	Leu
				125					130					135
Phe	Leu	Leu	Glu	Ser	Asp	Glu	Met	Glu	Asn	Leu	Leu	Thr	Tyr	Lys
				140					145					150
Arg	Arg	Ala	Ile	Glu	His	Val	Leu	Gln	Val	Glu	Ala	Ser	Gln	Glu
				155					160					165
Pro	Ser	His	Val	Phe	Ser	Leu	Lys	Gln	Leu	Leu	Gln	Arg	Leu	Leu
				170					175					180
Lys	Ser	Asn	Ser	His	Leu	Ser	Glu	Glu	Cys	Gly	Glu	Leu	Leu	Leu
				185					190					195
Gln	Arg	Gly	Thr	Thr	Lys	Val	Ala	Thr	Gly	Leu	Val	Leu	Asn	Arg
				200					205					210
Asp	Gln	Arg	Leu	Ala	Trp	Ala	Glu	Asn	Ser	Ile	Asp	Phe	Ile	Ser
				215					220					225
Arg	Glu	Leu	Cys	Ala	His	Ser	Ile	Arg	Lys	Leu	Gln	Ala	His	Val
				230					235					240
Leu	Leu	Ile	Lys	Ala	Val	His	Gly	Tyr	Phe	Asp	Ser	Arg	Gln	Asn
				245					250					255
Tyr	Ser	Glu	Lys	Glu	Ser	Leu	Ser	Phe	Met	Ile	Asp	Thr	Met	Lys
				260					265					270
Ser	Thr	Leu	Lys	Glu	Gln	Phe	Gln	Phe	Val	Glu	Val	Pro	Gly	Asn
				275					280					285
His	Cys	Val	His	Met	Ser	Glu	Pro	Gln	His	Val	Ala	Ser	Ile	Ile
				290					295					300
Ser	Ser	Phe	Leu	Gln	Cys	Thr	His	Met	Leu	Pro	Ala	Gln	Leu	
				305					310					

<210> 16

<211> 448

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 4661133CD1

<400> 16

PF-0634 USN

Met	Arg	Arg	Ala	Ala	Leu	Arg	Leu	Cys	Ala	Leu	Gly	Lys	Gly	Gln	1	5	10	15
Leu	Thr	Pro	Gly	Arg	Gly	Leu	Thr	Gln	Gly	Pro	Gln	Asn	Pro	Lys	20	25	30	
Lys	Gln	Gly	Ile	Phe	His	Ile	His	Glu	Ala	Cys	Ser	Ser	Ile	His	35	40	45	
Val	Asn	His	Val	Arg	Asp	Lys	Leu	Arg	Glu	Ile	Val	Gly	Ala	Ser	50	55	60	
Thr	Asn	Trp	Arg	Asp	His	Val	Lys	Ala	Met	Glu	Glu	Arg	Lys	Leu	65	70	75	
Leu	His	Ser	Phe	Leu	Ala	Lys	Ser	Gln	Asp	Gly	Leu	Pro	Pro	Arg	80	85	90	
Arg	Met	Lys	Asp	Ser	Tyr	Ile	Glu	Val	Leu	Leu	Pro	Leu	Gly	Ser	95	100	105	
Glu	Pro	Glu	Leu	Arg	Glu	Lys	Tyr	Leu	Thr	Val	Gln	Asn	Thr	Val	110	115	120	
Arg	Phe	Gly	Arg	Ile	Leu	Glu	Asp	Leu	Asp	Ser	Leu	Gly	Val	Leu	125	130	135	
Ile	Cys	Tyr	Met	His	Asn	Lys	Ile	His	Ser	Ala	Lys	Met	Ser	Pro	140	145	150	
Leu	Ser	Ile	Val	Thr	Ala	Leu	Val	Asp	Lys	Ile	Asp	Met	Cys	Lys	155	160	165	
Lys	Ser	Leu	Ser	Pro	Glu	Gln	Asp	Ile	Lys	Phe	Ser	Gly	His	Val	170	175	180	
Ser	Trp	Val	Gly	Lys	Thr	Ser	Met	Glu	Val	Lys	Met	Gln	Met	Phe	185	190	195	
Gln	Leu	His	Gly	Asp	Glu	Phe	Cys	Pro	Val	Leu	Asp	Ala	Thr	Phe	200	205	210	
Val	Met	Val	Ala	Arg	Asp	Ser	Glu	Asn	Lys	Gly	Pro	Ala	Phe	Val	215	220	225	
Asn	Pro	Leu	Ile	Pro	Glu	Ser	Pro	Glu	Glu	Glu	Glu	Leu	Phe	Arg	230	235	240	
Gln	Gly	Glu	Leu	Asn	Lys	Gly	Arg	Arg	Ile	Ala	Phe	Ser	Ser	Thr	245	250	255	
Ser	Leu	Leu	Lys	Met	Ala	Pro	Ser	Ala	Glu	Glu	Arg	Thr	Thr	Ile	260	265	270	
His	Glu	Met	Phe	Leu	Ser	Thr	Leu	Asp	Pro	Lys	Thr	Ile	Ser	Phe	275	280	285	
Arg	Ser	Arg	Val	Leu	Pro	Ser	Asn	Ala	Val	Trp	Met	Glu	Asn	Ser	290	295	300	
Lys	Leu	Lys	Ser	Leu	Glu	Ile	Cys	His	Pro	Gln	Glu	Arg	Asn	Ile	305	310	315	
Phe	Asn	Arg	Ile	Phe	Gly	Gly	Phe	Leu	Met	Arg	Lys	Ala	Tyr	Glu	320	325	330	
Leu	Ala	Trp	Ala	Thr	Ala	Cys	Ser	Phe	Gly	Gly	Ser	Arg	Pro	Phe	335	340	345	
Val	Val	Ala	Val	Asp	Asp	Ile	Met	Phe	Gln	Lys	Pro	Val	Glu	Val	350	355	360	
Gly	Ser	Leu	Leu	Phe	Leu	Ser	Ser	Gln	Val	Cys	Phe	Thr	Gln	Asn	365	370	375	
Asn	Tyr	Ile	Gln	Val	Arg	Val	His	Ser	Glu	Val	Ala	Ser	Leu	Gln	380	385	390	
Glu	Lys	Gln	His	Thr	Thr	Thr	Asn	Val	Phe	His	Phe	Thr	Phe	Met	395	400	405	

PF-0634 USN

```
Ser Glu Lys Glu Val Pro Leu Val Phe Pro Lys Thr Tyr Gly Glu
                        410                        415                        420
Ser Met Leu Tyr Leu Asp Gly Gln Arg His Phe Asn Ser Met Ser
                        425                        430                        435
Gly Pro Ala Thr Leu Arg Lys Asp Tyr Leu Val Glu Pro
                        440                        445
```

<210> 17
<211> 723
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2293764CB1

<400> 17
gcagcaacag agttgcaggt gtaaaataac gggaaggcgg gatgcgtggc taaattgctc 60
tgcgtgcaca aagagtagga gagcccagag ttccagaatg cccctaattc cgaacaccac 120
aggggtgagtc tggagcaagt cacctgggag ggcttacagg tgccataatg aaggcctggg 180
gcactgtggt agtgacctg gccacgctga tggttgtcac tgtggatgcc aagatctatg 240
aactctgcga gctggcgcca agactggaga gagcagggct gaacggctac aagggtctacg 300
gcgttgagaga ctggctgtgc atggctcatt atgagagtgg ctttgacacc gccttcgtgg 360
accacaatcc tgatggcagc agtgaatatg gcattttcca actgaattct gcctgggtgg 420
gtgacaatgg cattacacc accaagaacc tctgccacat ggattgtcat gacctgctca 480
atcgccatat tctggatgac atcagggtgtg ccaagcagat tgtgtcctca cagaatgggc 540
tttctgcctg gacttcttgg aggtacact gttctggcca tgatttatct gaatggctca 600
aggggtgtga tatgcatgtg aaaattgatc caaaaattca tccatgactc agattcgaag 660
agacagattt tatcttcctt tcatttcttc atattgtcac ttaataaag gatggtactc 720
gtc 723

<210> 18
<211> 1228
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 949738CB1

<400> 18
cccgagccg ccagaccgtc gcgcccctgc cccatcgtag tatatgagct cgcctacaca 60
aggacccccg ctaaaagcca gagctcccag tccccgaggc ttgaagacgg ggactccctt 120
ctccaccaac tctgtcctcg ggggggtggg gccccagccg agatcacagc gcgacaggag 180
tgggggtggc cgctggagac aggtgaagaa acaagaaaac taagaaatcc gagcggttgg 240
agggggagtc tgtgtggatg ggatggggac gccgggggag gggctgggcc gctgctccca 300
tgccctgatc cggggagtc cagagagcct ggcgtcgggg gaagggtgcgg gggctggcct 360
tcccgtctcg gatctggcca aagctcaaag ggagcacggg gtgctgggag gtaaactgag 420
gcaacgactg gggctacagc tgctagaact gccacctgag gactcattgc cgctgggacc 480
gctgcttggc gacacggccg tgatccaagg ggacacggcc ctaatcacgc ggccctggag 540
ccccgctcgt aggcagagg tcgatggagt ccgcaaagcc ctgcaagacc tggggctccg 600
aattgtggaa ataggagacg agaacgcgac gctggatggc actgacgttc tcttcaccgg 660
ccgggagttt ttcgtaggcc tctccaaatg gaccaatcac cgaggagctg agatcgtggc 720
ggacacgttc cgggacttcg ccgtctccac tgtgccagtc tcgggtccct cccacctgac 780

PF-0634 USN

```
cggctctctgc ggcattggggg gacctcgcac tgtttgtggca ggcagcagcg acgctgcccc 840
aaaggctgtc cgggcaatgg cagtgtctgac agatcaccca tatgcctccc tgacctccc 900
agatgacgca gctgtctgact gtctcttcct tcgtcctggg ttgcctgggtg tgcccccttt 960
cctcctgcac cgtggaggtg gggatctgcc caacagccag gaggcactgc agaagctctc 1020
tgatgtcacc ctggtacctg tgtcctgtctc agaactggag aaggccggcg ccgggctcag 1080
ctccctctgc ttggtgtctc gcacacgccc ccacagctga gggcctggcc ttgggggtact 1140
gctggccagg ggtaggatag tataggaagt agaaggggaa ggaggggttag atagagaatg 1200
ctgaataggc agtagttggg agagagggg                                     1228
```

<210> 19
<211> 2155
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1297034CB1

```
<400> 19
cggctcgcagc tcgcttctcg ttctactgcc ccaggagccc ggcgggtccg ggactcccgt 60
ccgtgccggg gcgggcgccg gcatgtggct gtgggaggac cagggcgggc tcctggggcc 120
tttctccttc ctgctgctag tgctgtgct ggtgacggcg agcccggtca atgcctgcct 180
cctcaccggc agcctcttcg ttctactgcg cgtcttcagc tttgagccgg tgccctcttg 240
cagggccctg caggtgtctc agccccggga ccgcatttct gccatcgccc accgtggcgg 300
cagccacgac gcgcccgaga acacgctggc ggccattcgg caggcagcta agaattggagc 360
aacaggcggt gagttggaca ttgagtttac ttctgacggg attcctgtct taatgcacga 420
taacacagta gataggacga ctgatgggac tgggcgattg tgtgatttga catttgaaca 480
aattaggaag ctgaatcctg cagcaaacca cagactcagg aatgatttcc ctgatgaaaa 540
gatccctacc ctaagggaag ctgttgca ga gtccta aac cataacctca caatcttctt 600
tgatgtcaaa ggccatgcac acaaggctac tgaggctcta aagaaaatgt atatggaatt 660
tcctcaactg tataataata gtgtggtctg ttctttcttg ccagaagtta tctacaagat 720
gagacaaaca gatcgggatg taataacagc attaaactcac agaccttga gcctaagcca 780
tacaggagat gggaaaccac gctatgatac tttctggaaa cattttatat ttgttatgat 840
ggacattttg ctcgattgga gcatgcataa tatcttgtgg tacctgtgtg gaatttcagc 900
tttctcatg caaaaggatt ttgtatcccc ggcctacttg aagaagtggg cagctaaagg 960
aatccagggt gttggttga ctgttaatac ctttgatgaa aagagtact acgaatccca 1020
tcttggttcc agctatatca ctgacagcat ggtagaagac tgcaaacctc acttctagac 1080
tttcacgggt ggacgaaacg ggttcagaaa ctgccagggg cctcatacag ggatatcaaa 1140
ataccctttg tgctagccca ggccctgggg aatcagggtg ctacacaaa tgcaatagtt 1200
ggtcactgca tttttacctg aaccaaagct aaaccgggtg ttgccaccat gcaccatggc 1260
atgccagagt tcaacactgt tgctcttgaa aatctgggtc tgaaaaaacg cacaagagcc 1320
cctgccctgc cctagctgag gcacacaggg agaccagtg aggataagca cagattgaat 1380
tgtacaattt gcagatgcag atgtaaatgc atgggacatg catgataact cagagttgac 1440
attttaaaac ttgccacact tatttcaa at ttgtactc agctatgtta acatgtactg 1500
tagacatcaa acttgtggcc atactaataa aattattaaa aggagcacta aaggaaaact 1560
gtgtgccaaag catcatatcc taaggcatac ggaatttggg gaagccacca tgcaatccag 1620
tgaggcttca gtgtacagca accaaaatgg tagggaggtc ttgaagccaa tgagggattt 1680
atagcatctt gaatagagag ctgcaaacca ccaggggggca gagttgcact tttccaggct 1740
tttttaggaag ctctgcaaca gatgtgatct gatcataggc aattagaact ggaagaaact 1800
tccaaaaata tctaggtttg tcctcatttt acaaatgagg aaactaaact ctgtggaagg 1860
gaaggggttg cctcaaaagt cacagcttag ctgggcacag tggctcatgc cgataatccc 1920
agcaattcag aaagctgagg caggaggatt acttgaggcc agactgggca atatagcaag 1980
accccatctc taaaaaatta ggcattgtgg tgcattgcctg tattccagc tactcaggag 2040
gttgagggtg gaggatcact tgagcccaga agttcaaggc tgcaatgagc catgattaca 2100
```

PF-0634 USN

ccacggcact acaaccttgg tggcacagtg agaacgcgac tcttaaaaaa aaaaa 2155

<210> 20
<211> 491
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1553276CB1

<400> 20
gccccatggcc gcagccctgg cgctcgtggc ggggggtcctg tcggggggcgg tgctgcccct 60
ctggagcgcg cttccgcaat ataaaaagaa aatcacagac aggtgcttcc accactctga 120
gtgctacagt ggctgctgcc tcatggactt ggactccggt ggagccttct gtgccccag 180
ggccagaata accatgatct gcttgcccca gtggttgga ctcttcaagg gcagggattg 240
catcatattc atctatgaag cacctacccc cagcttagta tctgcacata accaaggagg 300
ctaccaacat catctgccct tgccggatgg gcttgacgtg catatccaag gacttgatgt 360
gttccccgcg gtgcatatg atttagagga agatgcaggc tgggtcactgc tcccttgggg 420
ccataggccc tgggtgccac caacttgctc caaatccagc tcctgagaca ttaaagtgcac 480
ttcctgtcaa a 491

<210> 21
<211> 2101
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1702211CB1

<400> 21
cccacgcgtc cgcttctgtc gaaccagttg taaggagaat ggagagagca gtgagagtgg 60
agtccgggggt cctgggtcggg gtgggtctgtc tgctcctggc atgccctgcc acagccactg 120
ggcccgaagt tgctcagcct gaagtagaca ccaccctggg tcgtgtgcga ggccggcagg 180
tgggcgtgaa gggcacagac cgccttgtag atgtctttct gggcattcca tttgccagc 240
cgccactggg ccttgaccgg ttctcagccc cacaccagc acagccctgg gaggggtgtg 300
gggatgccag cactgcgccc ccaatgtgcc tacaagacgt ggagagcatg aacagcagca 360
gatttgtcct caacggaaaa cagcagatct tctccgtttc agaggactgc ctggtcctca 420
acgtctatag ccagctgag gtccccgcag ggtccggtag gccggtcatg gtatgggtcc 480
atggaggcgc tctgataact ggcgctgcc cctcctacga tggatcagct ctggctgcct 540
atggggatgt ggtcgtgggt acagtccagt accgccttgg ggtccttggc ttcttcagca 600
ctggagatga gcatgcacct ggcaaccagg gcttcctaga tgtggtagct gctttgcgct 660
gggtgcaaga aaacatcgcc cccttcgggg gtgacctcaa ctgtgtcact gtctttgggtg 720
gatctgcggt tgggagcatc atctctggcc tggtcctgtc ccagtggtg gcagggctgt 780
tccacagagc catcacacag agtgggggtc taccacccc agggatcatc gactctcacc 840
cttggccccct agctcagaaa atcgaaaca ccttggcctg cagctccagc tccccggctg 900
agatggtgca gtgccttcag cagaaagaag gagaagagct ggtccttagc aagaagctga 960
aaaatactat ctatcctctc accgttgatg gcaactgtct ccccaaaaag cccaagggaac 1020
tcctgaagga gaagcccttc cactctgtgc ccttcctcat ggggtgtcaac aaccatgagt 1080
tcagctggct catccccagg ggctgggggtc tcctggatac aatggagcag atgagccggg 1140
aggacatgct ggccatctca acaccgctc tgaccagtct ggatgtgccc cctgagatga 1200
tgccaccgt catagatgaa tacctaggaa gcaactcgga cgacaagcc aaatgccagg 1260
cgttccagga attcatgggt gacgtattca tcaatgttcc caccgtcagt ttttcaagat 1320

```

accttcgaga ttctggaagc cctgtctttt tctatgagtt ccagcatcga cccagttctt 1380
ttgcgaagat caaacctgcc tgggtgaagg ctgatcatgg ggccgagggg gcttttgtgt 1440
tcggagggtcc cttcctcatg gacgagagct cccgcctggc ctttccagag gccacagagg 1500
aggagaagca gctaagcctc accatgatgg cccagtggac ccactttgcc cggacagggg 1560
acccaatag caaggctctg cctccttggc cccaattcaa ccaggcggaa caatatctgg 1620
agatcaaccc agtgccacgg gccggacaga agttcaggga ggcttggatg cagttctggg 1680
cagagacgct ccccagcaag atacaacagt ggcaccagaa gcagaagaac aggaaggccc 1740
aggaggacct ctgaggccag gcctgaacct tcttggctgg ggcaaaccac tcttcaagt 1800
gtggcagagt cccagcacgg cagcccgcct ctccccctgc tgagacttta atctccacca 1860
gcccttaaag tgcggccgc tctgtgactg gagttatgct cttttgaaat gtcacaaggc 1920
cgcctccac ctctggggca ttgtacaagt tcttccctct ccctgaagt cctttcctgc 1980
tttcttcgtg gtaggttcta gcacattcct ctagtctcct ggaggactca ctccccagg 2040
aagccttccc tgccttctct gggctgtgcg gccccgagtc tgcgtccatt agagcacagt 2100
c 2101

```

<210> 22

<211> 1834

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1859618CB1

<400> 22

```

gccccagtc caggcaggta taaggccacc tccgcaggcc aggacaaccc agaagcaaaa 60
gagcagagct accatgtcct cttggagcag acagcgacca aaaagcccag ggggcattca 120
accccatgtt tctagaactc tgttcctgct gctgctgttg gcagcctcag cctggggggg 180
caccctgagc cccaaagact gccagggtgt cgcctcagac catggcagct ccctctcctg 240
tcaaccacct gccgaaatcc ccggctacct gccagccgac accgtgcacc tggccgtgga 300
attcttcaac ctgacccacc tgccagccaa cctcctccag ggccgctcta agtcccaaga 360
attgcacctc tccagcaatg ggctggaaa cctctcgccc gaattcctgc ggccagtgcc 420
gcagctgagg gtgctggatc taaccgaaa cgccctgacc gggctgcccc cgggcctctt 480
ccaggcctca gccaccctgg acaccctggt attgaaagaa aaccagctgg aggtcctgga 540
ggctctcggt ctacacggcc tgaaagctct ggggcatctg gacctgtctg ggaaccgcct 600
ccggaaactg ccccccgggc tgctggccaa cttcaccctc ctgcgcaccc ttgaccttgg 660
ggagaaccag ttggagacct tgccacctga cctcctgagg ggtccgctgc aattagaacg 720
gctacatcta gaaggcaaca aattgcaagt actgggaaaa gatctcctct tgccgcagcc 780
ggacctgcgc tacctcttcc tgaacggcaa caagctggcc aggttggcag ccggtgcctt 840
ccagggcctg cggcagctgg acatgctgga cctctccaat aactcactgg ccagcgtgcc 900
cgaggggctc tgggcatccc tagggcagcc aaactgggac atgcgggatg gcttcgacat 960
ctccggcaac ccctggatct gtgaccagaa cctgagcgac ctctatcgtt ggcttcaggc 1020
ccaaaaagac aagatgtttt cccagaatga cacgcgctgt gctgggcctg aagccgtgaa 1080
gggcccagacg ctccctggcag tggccaagtc ccagttagac caggggcttg ggttgagggt 1140
gggggggtctg gtagaacact gcaacccgct taacaaataa tcctgccttt ggccgggtgc 1200
ggggggtcac gcctgtaatc ccagcacttt gggaggccca ggtgggcgga tcacgaggtc 1260
aggagatcga gaccatcttg gctaacatgg tgaaaccctg tctctactaa aaatataaaa 1320
aattagccag gcgtggtggg gggcacctgt agtcccagca actcgggagg ctgaggcagg 1380
agaatggcgt gaacttggga ggcggagctt gcggtgagcc aagatcgtgc cactgcactc 1440
tagcctgggc gacagagcaa gactgtctca aaaaaaatta aaattaaaat taaaaacaaa 1500
taatcttccc ttttacaggt gaaactcggg gctgtccata gcggctggga ccccgcttca 1560
tccatccatg cttcctagaa cacacgatgg gctttcctta cccatgcccc aggtgtgccc 1620
tccgtctgga atgccgttcc ctgtttccca gatctcttga actctgggtt ctcccagccc 1680
cttgtccttc cttccagctg agccctggcc aactggggc tgcctttctc tgactctgtc 1740

```

PF-0634 USN

ttccccaagt cagggggctc tctgagtgcg ggggtctgatg ctgagtccca cttagcttgg 1800
ggtcagaacc aaggggttta ataaataacc cttg 1834

<210> 23
<211> 753
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2011071CB1

<400> 23
atgcaggacg ctcccctgag ctgcctgtca ccgactaggt ggagcagtgt ttcttccgca 60
gactcaactg agaagtcagc ctctggggca ggcaccagga atctgccttt tcagttctgt 120
ctccggcagg ctttgaggat gaaggctgcg ggcattctga ccctcattgg ctgcctgggc 180
acaggcgccg agtccaaaat ctacactcgt tgcaaactgg caaaaatatt ctcgagggct 240
ggcctggaca attactgggg cttcagcctt ggaaactgga tctgcatggc atattatgag 300
agcggctaca acaccacagc cccgacgggc ctggatgacg gcagcatcga ctatggcatc 360
ttccagatca acacgttcgc gtggtgcaga cgcggaaaagc tgaaggagaa caaccactgc 420
catgtcgcct gctcagcctt gatcactgat gacctcacag atgcaattat ctgtgccagg 480
aaaattgtta aagagacaca aggaatgaac tattggcaag gctggaagaa acattgtgag 540
ggcagagacc tgtccgagtg gaaaaaaggc tgtgaggttt cctaaactgg aactggaccc 600
aggatgcttt gcagcaacgc cctaggattt gcagtgaatg tccaaatgcc tgtgtcatct 660
tgtcccgctt cctcccaata ttccttctca aacttggaga gggaaaatta agctatactt 720
ttaagaaaat aaatatttcc atttaaattgt caa 753

<210> 24
<211> 1395
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2186517CB1

<400> 24
gccccagca tggcttggca gggctggccc gcggcgtggc agtgggtcgc cggctgctgg 60
ctcctcctcg tcttgtcct cgtcctactt gtgagcccc gcggctgccg agcgcggcgg 120
ggcctccgcg gtctgtcat ggcgcacagc cagcggctgc tcttccgaat cgggtacagc 180
ctgtacaccc gcacctggct cgggtacctc ttctaccgac agcagctgcg cagggtcgg 240
aatcgctacc ctaaaggcca ctcgaaaacc cagaccgcc tcttcaatgg agtgaagggtg 300
cttcccatcc ctgtcctctc ggacaactac agctacctca tcatcgacac ccaggcccag 360
ctggctgtgg ctgtggaccc ttcagaccct cgggctgtgc aggttccat tgaaaaggaa 420
ggggtcacct tggtcgccat tctgtgtact cacaagcact gggaccacag tggaggggaa 480
cgtgacctca gccggcgcca cggggactgt cgggtgtacg ggagccctca ggacggcatc 540
ccctacctca cccatcccc gtgtcatcaa gatgtggtca gctgaggacg gcttcagatc 600
cgggccctgg ctacacctgg ccacacacaa ggccatctgg tctacctact ggatggggag 660
ccctacaagg gtccctcctg cctcttctca ggggacctgc tcttctctc tggctgtggg 720
cggacctttg agggcaatgc agagaccatg ctgagctcac tggacactgt gctggggcta 780
gggatgaca cccttctgtg gcctggctcat gagtatgcag aggagaacct gggcttttga 840
gggtgtggcg agcccagaa cctggcccg gagaggaaga tgcagtgggt gcagcggcag 900
cggctggagc gcaagggcac gtgcccctct accctgggag aggagcgctc ctacaacccg 960
ttcctgagaa cccactgcct ggcgctacag gaggtctctg ggccggggcc gggccccact 1020

PF-0634 USN

```
gggggatgatg actactcccc ggcccagctc ctggaagagc tccgccggct gaaggatatg 1080
cacaagagca agtgatgccc ccagcgcccc cagcccagcc cactccccgc atggggaggc 1140
cgccaccacc aacacctcat catccttctc atcgctaaca ccaccacctc catcggcacc 1200
caagcgggca tcatcccccc acactgctca ggggaggggga gggatcaggc gatgagactg 1260
tgaggccaaa agaagggggc ctgttgaggg ctgggaaccc cgagcgcgga ggctgcctca 1320
tcaacggcaa gaggaaggga ggggtctcgg gacatctcca gaccctacca actgggaggg 1380
tccccctctc cttcc                                     1395
```

<210> 25

<211> 1413

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2253585CB1

<400> 25

```
gcgagccggc caacagcttg caagcatgct ccgctggacc cgagcctgga ggctcccgcg 60
tgagggactc ggccccacag gccctagctt cgcgagggtg cctgtcgac ccagcagcag 120
cagcgcgggc cgagggggcg ccgagccgag gccgcttccg ctttccctaca ggcttctgga 180
cggggaggga gccctcccgg ccgtcgctct tttgcacggg ctcttcggca gcaaaactaa 240
cttcaactcc atcgccaaga tcttgggcca gcagacaggc cgtaggggtg tgacggtgga 300
tgctcgtaac caggtgaca gccccacag cccagacatg agctacgaga tcatgagcca 360
ggacctgcag gaccttctgc cccagctggg cctggtgccc tgcgtcgctg ttggccacag 420
catgggagga aagacagcca tgctgctggc actacagagg ccagagctgg tggaacgtct 480
cattgctgta gatatcagcc cagtggaaag cacagggtgc tcccactttg caacctacgt 540
ggcagccatg agggccatca acatcgaga tgagctgccc cgctcccgtg cccgaaaact 600
ggcggatgaa cagctcagtt ctgtcatcca ggacatggcc gtgcggcagc acctgctcac 660
taacctggta gaggtagacg ggcgcttcgt gtggagggtg aacttggatg ccctgacca 720
gcacctagac aagatcttgg ctttcccaca gaggcaggag tcctacctcg ggccaacact 780
ctttctcctt ggtggaaact cccagttcgt gcatcccagc caccacctg agattatgcg 840
gctcttccct cgggcccaga tgcagacggg gccgaacgct ggccactgga tccacgtgta 900
ccgcccacag gacttcatag ctgccatccg aggttccctg gtctaagagt tgctggcaag 960
aagatggccg ggcgtggtgg ctcatgcctg taattccagc actttgggag gctaaggcgg 1020
gaggatgact tgaggccagg agttggagac cagcctggcc aacatggtga aacctgtct 1080
ctactaaaaa tacaaaaatt agcctggcgt ggtggtgcac acctgtaatc ccagctactc 1140
gggaggctga ggcaggagaa tcaactgaac cctggaggca gaggttgcaa tgagccgaga 1200
tcacaccact acactccagc ctgggcaaca gagcaagact ctgtctcaaa aaaaaacaaa 1260
acaaaaagga ggcacaaaac cccaggcttc aagtctctgc agcctgctcc acatttgggc 1320
acagaaggac tcagacaggc actgtgtggg cagcaggttt tacaggggtg agtcagacct 1380
caggctttaa tgaataaagc actcagctat aaa                                     1413
```

<210> 26

<211> 1868

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2447520CB1

<400> 26

```
ttggagcctg gagactgcta gctgcctggt tctttaagaa ccagccctgg tccagcccat 60
```

```

tccgcaggcc agcaagcttc tgaaaagcaa acctaggaag tagctttcca acataaagtg 120
gaggtttcaa cacaggagac tttaagcaag ttccagtgtg tctatatattg gtctggctga 180
tcggctggac tctggccttc cccgctcagc tttagcagaca gctctgccct agtgggcgct 240
tagcctgcga cggcagcccg agaggatgtc taacaagctt ctttctcccc acccccattc 300
agttgtttctc aggtctgaat tcaaaatggc ctcatctcct gctgtccttc gagcgtcccg 360
gctgtaccaaa tggagcctga agagttcggc gcagttcctg ggggtctccac agctgaggca 420
ggttggtcag atcattaggg ttctgtctcg gatggcggcg acgctgatcc tggagcctgc 480
gggcccgtgc tgcctgggacg aaccgggtgcg aatcgccgtg cgcggcctag ccccgagca 540
gccggctcag ctgcgcgcgt cctgcgcga cgagaagggc gcgcttttcc aggcccacgc 600
gcgctaccgc gccgacactc ttggcgagct ggacctggag cgcgcgcccc cgctgggcgg 660
cagcttcgcg gggcttgagc ccatggggct gctctgggccc ttggagccc agaaaccttt 720
ggtgcggctg gtgaagcgcg acgtgcgaac gcccttggcc gtggagctgg aggtgctgga 780
tggccacgac cccgaccccc ggccggctgct gtgccagacg cggcacgagc gctacttcct 840
cccgcgccgg gtgcggcgcg agccgggtgcg cgtgggcccgg gtgcgaggca cgctcttcct 900
gccgccagaa cctgggccct ttcttgggat tgtggacatg ttcggaactg gaggtggcct 960
gctggagtat cgggctagtc tgctggctgg gaagggtttt gctgtgatgg ctctggctta 1020
ttataactat gaagacctcc ccaagaccat ggagacgctc catctggagt actttgaaga 1080
agccatgaac tacttgctca gtcacccga ggtaaaaggc ccaggagttg ggctgcttgg 1140
aatttccaaa ggggggtgagc tctgcctttc catggcctct ttctgaagg gcatcacggc 1200
tgctgtcgtc atcaacggct ctgtggccaa tgttggggga accttacgct acaaggcgca 1260
gacctgccc cctgtgggcg tcaacagaaa tcgcatcaag gtgaccaaag atggctatgc 1320
agacattgtg gatgtcctga acagcccttt ggaaggacct gaccagaaga gcttcattcc 1380
tgtggaaagg gcagagagca ccttcctgtt cctggtaggt caggatgacc acaactggaa 1440
gagtgaagtc tatgctaag aggcctgtaa acgcttgag gcccatggga ggagaaagcc 1500
ccagatcacc tgttaccag agacagggca ctatattgag cctccttact tccccctgtg 1560
tcgggcttcc ctgcatgcct tgggtgggcag tcctattatc tggggagggg agcccagggc 1620
tcatgccatg gctcaggtgg atgcttggaa acaactccag actttcttcc aaaaacactt 1680
gggtggccac gagggggacaa tcccatcaaa agtgtaaatt ttatttgatc atgtggcctc 1740
tctgttgcta atctctcctg gaaacatctg ccacatttag tgtgtgatg tgtattcatt 1800
cttttgtttt taataactaa agttttttcc cctcattatt aaaatgaatt taccagtaaa 1860
aaaaaaaaa

```

<210> 27
 <211> 688
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 2481345CB1

```

<400> 27
cggcgttact atcaagcaac caaactgcaa gctttgggag ttgttcgctg tccctgccct 60
gctctgctag ggagagaacg ccagagcgga ggcggctggc ccggcggcag gctctcagaa 120
ccgctaccgg cgatgctact gctgtgggtg tcggtggtcg cagccttggc gctggcggta 180
ctggcccccg gagcagggga gcagaggcgg agagcagcca aagcgcccaa tgtgggtgctg 240
gtcgtgagcg actccttcga tggaaaggta acatttcac caggaagtca ggtagtgaag 300
cttcctttta tcaactttat gaagacacgt gggacttcct ttctgaatgc ctacacaaac 360
tctccaattt gttgcccac acgcgcagca atgtggagtg gcctcttcac tcaacttaac 420
gaatcttgga ataattttta ggggtctagat ccaaattata caacatggat ggatgtcatg 480
gagaggcatg gctaccgaac acagaaattt gggaaactgg actatacttc aggacatcac 540
tccattagta atcgtgtgga agcgtgacaa gagatgttgc tttcttactc agacaagaag 600
gcaggcccat ggtaaatctt atccgtaaca ggactaaagt cagagtgatg gaaagggatt 660
ggcagaatac agacaaagca gtaaactg

```


PF-0634 USN

<210> 28
<211> 1375
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2484020CB1

<400> 28
gcggggtggc ggcggccggg ccccccacggc ggcggccgga gcagcagcag cagcagcagg 60
agccgcctc tatgatgaag ttcaagccca accagacgcg gacctacgac cgcgagggct 120
tcaagaagcg ggcggcgtgc ctgtgcttcc ggagcgagca ggaggacgag gtgctgctgg 180
tgagtagcag ccggtaccca gaccagtgga ttgtcccagg aggaggaatg gaacccgagg 240
aggaacctgg cgggtgctgcc gtgagggaag tttatgagga ggctggagtc aaaggaaaac 300
taggcagact tctgggcata ttgagaacc aagaccgaaa gcacagaaca tatgtttatg 360
ttctaacagt cactgaaata ttagaagatt gggaagattc tgttaatat ggaaggaaag 420
gagagtgggt caaagtagaa gatgctatca aagttctcca gtgtcataaa cctgtacatg 480
cagagtatct ggaaaagcta aagctgggtt gttccccagc caatggaaat tctacagtcc 540
cttcccttcc ggataataat gccttgtttg taaccgctgc acagacctct gggttgccat 600
ctagtgtgta atagagagaa ctgggtaggc ctctcccacc atgtgcagtc tcatggggag 660
aggcttcttt cgtttctctg tcaaacatct gattgacgct tgcaaaactgt ctgaatttgc 720
catgcaaggt tttcaaaaca ttgcatgtt tttcagatgc tttcaaactct ttttttaaaa 780
aaatagtgtg aaatatttta ataagccaaa gccatgtgga atttttgttt agatgcctta 840
actgtgccac accccacaac cccctatatt attttggttg tctatttctc acagcatatt 900
ttcagttttt tgtccatttg acatcagctc gtggtttatt ttgtcatcag attacttgtg 960
gggtataccta ccccaaaatt gttttctcat tcacagcatt agcataattca gcaaatccat 1020
ctgtggtggg aattaaaaat attattggta ttaaagaaat ccattcaccc caaaacttgt 1080
tttacaggat tacaatttta attcaaaatt tccagatttg ggctatttct gtatgatcca 1140
ataacttatt ttgtcacagg gcttaatttg ccatTTTTtg ggatttgtcg actcattttg 1200
tctgaatttt cacaactggg attatgtcac tagctacctg atatggctat ttcccttata 1260
actcaatagt accttaacac aaagtataac tctgtagagt tgggtgaatat tttagggaaa 1320
tattagcaaa atgcatgtag taaagacatc ttatgaaaac tgtaaaaaaa aaaaa 1375

<210> 29
<211> 1390
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2862528CB1

<400> 29
catcgctcca cctctgccct ccccttttat ggcgcggccc gggctcattc attccgcgcc 60
gggcctgcca gacacctgcg cccttctgca gccgcccgcc gcatccgccg ccgcagcccc 120
cagcatgtcg ggcccagacg tcgagacgcc gtccgccatc cagatctgcc ggatcatgcy 180
gccagatgat gccaacgtgg ccggcaatgt ccacgggggg accatcctga agatgatcga 240
ggaggcaggc gccatcatca gcacccggca ttgcaacagc cagaacgggg agcgctgtgt 300
ggcgcacctg gctcgtgtcg agcgcaccga ctctctgtct cccatgtgca tcggtgaggt 360
ggcgcatgtc agcgcggaga tcacctacac ctccaagcac tctgtggagg tgcagggtca 420
cgtgatgtcc gaaaacatcc tcacaggtgc caaaaagctg accaataagg ccacctgtg 480
gtatgtgccc ctgtcgctga agaattgtgga caaggtcctc gaggtgcctc ctgttgtgta 540

```

ttccccggcag gagcaggagg aggaggggccg gaagcgggtat gaagcccaga agctggagcg 600
catggagacc aagtggagga acgggggacat cgtccagcca gtcctcaacc cagggtgtgac 660
catgaagctc atggatgagg tcgccgggat cgtggctgca cgccactgca agaccaacat 720
cgtcacagct tccgtggacg ccattaatth tcatgacaag atcagaaaag gctgcgtcat 780
caccatctcg ggacgcatga ccttcacgag caataagtcc atggagatcg aggtgttggg 840
ggacgccgac cctgttgtgg acagctctca gaagcgtac cgggccgcca gtgccttctt 900
cacctacgtg tcgctgagcc aggaaggcag gtcgctgcct gtgcccagc tggtgcccga 960
gaccgaggac gagaagaagc gctttgagga aggcaaaggg cgttacctgc agatgaaggc 1020
gaacgacagg gccacgcgga gcctcagccc tagactccct cctcctgcca ctggtgcctc 1080
gagtagccat ggcaacgggc ccagtgtcca gtcacttaga agttcccccc ttggccaaaa 1140
acccaattca cattgagagc tgggtgtgtc tgaagttttc gtatcacagt gttaacctgt 1200
actctctcct gcaaacctac acaccaaagc tttatttata tcattccagt atcaatgcta 1260
cacagtgttg tcccagagcg cgaggaggcg tgggcagaaa ccctcgggaa tgcttccgag 1320
cacgctgtag ggtatgggaa gaaccagca ccactaataa agctgctgct tggctggaaa 1380
aaaaaaaaa 1390

```

<210> 30

<211> 3038

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3200650CB1

<400> 30

```

gcgcgggctga gtgcggactg gagtgggaac cgggtcccc gcgcttagag aacacgcgat 60
gaccacgtgg agcctccggc ggaggccggc ccgacgctg ggactcctgc tgctggctcg 120
cttgggcttc ctgggtgctcc gcaggctgga ctggagcacc ctggctccctc tgccggctccg 180
ccatcgacag ctggggctgc aggccaaagg ctggaacttc atgctggagg attccacctt 240
ctggatcttc gggggctcca tccactatth ccgtgtgccc agggagtact ggagggaccg 300
cctgctgaag atgaaggcct gtggcttgaa caccctcacc acctatgttc cgtggaacct 360
gcatgagcca gaaagaggca aatttgactt tctctgggaa acttggaact tgaaggcctt 420
cgtcctgatg gccgcagaga tcgggctgtg ggtgattctg cgtccaggcc cctacatctg 480
tagtgagatg gacctcgggg gcttgcccag ctggctactc caagaccctg gcatgaggct 540
gaggacaact tacaagggtc tcaccgaagc agtggacctt tattttgacc acctgatgtc 600
cagggtgggtg ccactccagt acaagcgtgg gggacctatc attgccgtgc aggtggagaa 660
tgaatatggg tcctataata aagaccccg c atacatgccc tacgtcaaga aggcactgga 720
ggaccgtggc attgtggaac tgctcctgac ttcagacaac aaggatgggc tgagcaaggg 780
gattgtccag ggagtcttgg ccaccatcaa cttgcagtca acacacgagc tgcagctact 840
gaccaccttt ctcttcaacg tccaggggac tcagcccaag atggtgatgg agtactggac 900
ggggtgggtt gactcgtggg gagggccctc caatatcttg gattcttctg aggttttgaa 960
aaccgtgtct gccattgtgg acgccggctc ctccatcaac ctctacatgt tccacggagg 1020
caccaacttt ggcttcatga atggagccat gcacttccat gactacaagt cagatgtcac 1080
cagctatgac tatgatgctg tgctgacaga agccggcgat tacacggcca agtacatgaa 1140
gcttcgagac ttcttcgggt ccattctcagg catccctctc cctccccccac ctgaccttct 1200
tcccagatg ccgtatgagc ccttaacgcc agtcttgtac ctgtctctgt gggacgcctt 1260
caagtacctg ggggagccaa tcaagtctga aaagcccatc aacatggaga acctgccagt 1320
caatggggga aatggacagt ccttcgggta cattctctat gagaccagca tcacctcgtc 1380
tggcatcctc agtggccacg tgcagtatcg ggggcagggt tttgtgaaca cagtatccat 1440
aggattcttg gactacaaga caacgaagat tgctgtcccc ctgatccagg gttacacctg 1500
gctgaggatc ttggtggaga atcgtgggag agtcaactat ggggagaata ttgatgacca 1560
gcgcaaaggc ttaattggaa atctctatct gaatgattca cccctgaaaa acttcagaat 1620
ctatagcctg gatatgaaga agagcttctt tcagaggttc ggcttgga aatggagtct 1680

```

```

cctcccagaa acacccacat tacctgcttt cttcttgggt agcttgtcca tcagctccac 1740
cccttgtgac acctttctga agctggaggg ctggggagaag ggggttgtat tcatcaatgg 1800
ccagaacctt ggacgttact ggaacattgg accccagaag acgctttacc tcccagggtcc 1860
ctgggttgagc agcggaaatca accagggtcat cgttttttgag gagacgatgg cgggccctgc 1920
attacagttc acggaaaccc cccacctggg caggaaccag tacattaagt gagcgggtggc 1980
acccccctct gctggtgcca gtgggagact gccgcctcct cttgacctga agcctggtgg 2040
ctgctgcccc acccctcact gcaaaaagcat ctcttaagt agcaacctca gggactgggg 2100
gctacagtct gccctgtct cagctcaaaa ccctaagcct gcagggaaaag gtgggatggc 2160
tctgggcctg gctttgttga tgatggcttt cctacagccc tgctcttggt ccgaggctgt 2220
cgggctgtct ctaggggtggg agcagctaata cagatcgccc agcctttggc cctcagaaaa 2280
agtgtgaaa cgtgcccttg caccggacgt cacagccctg cgagcatctg ctggactcag 2340
gcgtgtctct tgctgggtcc tgggaggctt ggccacatcc ctcatggccc cattttatcc 2400
ccgaaatcct ggggtgtgtca ccagtgtaga ggggtggggaa ggggtgtctc acctgagctg 2460
actttgttct tccttcacaa ccttctgagc cttctttggg attctggaag gaactcggcg 2520
tgagaaacat gtgacttccc ctttcccttc ccactcgctg cttcccacag ggtgacaggc 2580
tgggctggag aaacagaaat cctcaccttg cgtcttccca agttagcagg tgtctctggg 2640
gttcagttag gaggacatgt gagtccctgg agaagccatg gcccatgtct gcacatccag 2700
ggaggaggac agaaggcccc gctcacatgt gagtccctgg agaagccatg gcccatgtct 2760
gccatgtct gcacatccag ggaggaggac agaaggcccc gctcacatgt gagtccctgg agaagccatg 2820
gccatgtct gcacatccag ggaggaggac agaaggcccc gctcacatgt gagtccctgg ccccgcctcc 2880
caccctccac gcccgaaacag cagggggcaga gcagccctcc ttcgaagtgt gtccaagtcc 2940
gcatttgagc cttgttcttg ggcccagccc aacacctggc ttgggctcac tgtctgagt 3000
tgcagtaaag ctataacctt gaatcacaaa aaaaaaaaaa 3038

```

<210> 31

<211> 1340

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 4107621CB1

<400> 31

```

gcgacctgag caggcgtgag ggagtgacag cagcgcattc gcgggacgag agcgatgagt 60
gagaacgccc caccaggctc gatctcagag ctgaagctgg ctgtgccctg gggccacatc 120
gcagccaaag cctggggctc cctgcagggc cctccagttc tctgcctgca cggctggctg 180
gacaatgcc a gctccttcga cagactcatc cctcttctcc cgcaagactt ttattacgtt 240
gccatggatt tcggagggtca tgggctctcg tcccattaca gcccagggtgt cccatattac 300
ctccagactt ttgtgagtga gatccgaaga gttgtggcag ccttgaaatg gaatcgattc 360
tccattctgg gccacagctt cgggtggcgtc gtggggcgaa tgtttttctg taccttcccc 420
gagatgggtg ataaacttat cttgctggac acgcccgtct ttctcctgga atcagatgaa 480
atggagaact tgctgacct acaagcgaga gccatagagc acgtgctgca ggtagaggcc 540
tcccaggagc cctcgcacgt gttcagcctg aagcagctgc tgcagagggt actgaagagc 600
aatagccact tgagttagga gtgcggggag cttctcctgc aaagagggaac cacgaagggt 660
gccacaggtc tggttctgaa cagagaccag aggctcgcct gggcagagaa cagcattgac 720
ttcatcagca gggagctgtg tgcgcattcc atcaggaagc tgcaggccca tgtctgttg 780
atcaaagcag tccacggata ttttgattca agacagaatt actctgagaa ggagtccctg 840
tcgttcatga tagacacgat gaaatccacc ctcaaagagc agttccagtt tgtggaagtc 900
ccaggcaatc actgtgtcca catgagcgaa cccagcacg tggccagtat catcagctcc 960
ttcttacagt gcacacacat gctcccagcc cagctgtagc tctgggcctg gaactatgaa 1020
gacctagtgc tcccagactc aacactggga ctctgagttc ctgagcccca caacaaggcc 1080
agggatggtg gggacaggcc tcaactagtct tgaggcccag cctaggatgg tagtcagggg 1140
aaggagcgag attccaactt caacatctgt gacctcaaga gggagacaga gtctgggttc 1200

```

PF-0634 USN

```
cagggtgct ttctcctggc taataataaa tatccagcca gctggaggaa ggaagggcag 1260
gctgggcccc cctagccttt ccctgctgcc caactggatg gaaaataaaa gggtcttgta 1320
ttctcaaaaa aaaaaaaaaa 1340
```

<210> 32
<211> 1717
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 4661133CB1

```
<400> 32
cgcccccgga caccgctgtc ccgctccccg gctgtcctca gcaagggcgc ggtctggtac 60
tcgtgcgtct tttatcgctt cagtttccct ccgccgacta gcgcgcgggg cccggttctc 120
catcgcgcg cgcgcgcgc acggcagcct agcgcaatga ggcgggcagc actgcggctt tgtgccttgg 180
gcaaagggga gcttactcct ggaagaggac tgactcaagg accccagaac cccaagaaac 240
agggaaatctt ccacattcat gaagcatggt catctataca tgtgaatcat gttcgagata 300
agttgcggga gatagtagga gcatccacaa actggagaga ccatgtgaag gcaatggaag 360
aaaggaaaatt acttcatagt ttcttggtta aatcacagga tggactgcct cctaggagaa 420
tgaaggacag ttatattgaa gttctcttgc ctttgggcag tgagcctgaa ttacgagaga 480
aatatttgac tgttcaaaac accgtaagat ttggcaggat tcttgaggat cttgacagct 540
tgggagttct tatttggtac atgcacaaca aaatccactc cgccaagatg tctcctttat 600
cgatagttac agccctggtg gataagattg atatgtgtaa gaagagcttg agcccagaac 660
aggacattaa gttcagtggc catgttagct gggtcgggaa gacatccatg gaagtgaaga 720
tgcaaatgtt ccagttacat ggtgatgaat tttgtcctgt tttggatgca acatttgtaa 780
tggtggctcg tgattctgaa aataaagggc cggcatttgt aaatccactc atccctgaaa 840
gcccagagga agaggagctc tttagacaag ggggaattgaa caaggggaga agaattgcct 900
tcagctccac gtcgttactg aaaatggccc ccagcgtga ggagaggacc accatacatg 960
agatgtttct cagcacactg gatccaaaaga ctataagttt tcggagtcga gttttaccct 1020
ctaattgcagt gtggatggag aattcaaaac tgaagagttt ggaaatttgc caccctcagg 1080
agcgggaacat tttcaatcgg atctttggtg gtttccttat gaggaaggca tatgaacttg 1140
cgtgggctac tgcttgtagc tttggtggtt ctgcaccgtt tgtggtagca gtagatgaca 1200
tcatgtttca gaaacctgtt gaggttggct cattgctctt tctttcttca caggtatgct 1260
ttactcagaa taattatatt caagtcagag tacacagtga agtggcctcc ctgcaggaga 1320
agcagcatac aaccaccaat gtctttcatt tcacgttcat gtcggaaaaa gaagtgccat 1380
tggttttccc aaaaacatat ggagagtcca tgttgtactt agatgggcag cggcatttca 1440
actccatgag tggcccagcg accttgagaa aggactacct tgtggagccc taagaacacc 1500
acatttggtt aaaactagca ctctaccac agtgacgtgg tatctgatga agacctgatc 1560
gagtgtattg attttagtat tgcttcgtgt cctccacaca ggaggaggat gtattcagcc 1620
tttaggatga tcagaaaagc agaaagagag agtggccgga tggggctgag gggagaaaaga 1680
attattaaac aataaatact ttcaagacaa aaaaaaa 1717
```

<210> 33
<211> 148
<212> PRT
<213> Colobus guereza

<220>
<221> misc_feature
<223> GenBank ID No: g1790927

<400> 33

PF-0634 USN

Met	Lys	Ala	Leu	Ile	Ile	Leu	Gly	Leu	Val	Leu	Leu	Ser	Val	Thr
1				5					10					15
Val	Gln	Gly	Lys	Ile	Phe	Glu	Arg	Cys	Glu	Leu	Ala	Arg	Thr	Leu
				20					25					30
Lys	Lys	Leu	Gly	Leu	Asp	Gly	Tyr	Lys	Gly	Val	Ser	Leu	Ala	Asn
				35					40					45
Trp	Val	Cys	Leu	Ala	Lys	Trp	Glu	Ser	Gly	Tyr	Asn	Thr	Asp	Ala
				50					55					60
Thr	Asn	Tyr	Asn	Pro	Gly	Asp	Glu	Ser	Thr	Asp	Tyr	Gly	Ile	Phe
				65					70					75
Gln	Ile	Asn	Ser	Arg	Tyr	Trp	Cys	Asn	Asn	Gly	Lys	Thr	Pro	Gly
				80					85					90
Ala	Val	Asn	Ala	Cys	His	Ile	Ser	Cys	Asn	Ala	Leu	Leu	Gln	Asn
				95					100					105
Asn	Ile	Ala	Asp	Ala	Val	Ala	Cys	Ala	Lys	Arg	Val	Val	Ser	Asp
				110					115					120
Pro	Gln	Gly	Ile	Arg	Ala	Trp	Val	Ala	Trp	Lys	Lys	His	Cys	Gln
				125					130					135
Asn	Arg	Asp	Val	Ser	Gln	Tyr	Val	Glu	Gly	Cys	Gly	Val		
				140					145					

<210> 34

<211> 148

<212> PRT

<213> Colobus angolensis

<220>

<221> misc_feature

<223> GenBank ID No: g1790967

<400> 34

Met	Lys	Ala	Leu	Ile	Ile	Leu	Gly	Leu	Val	Leu	Leu	Ser	Val	Thr
1				5					10					15
Val	Gln	Gly	Lys	Ile	Phe	Glu	Arg	Cys	Glu	Leu	Ala	Arg	Thr	Leu
				20					25					30
Lys	Lys	Leu	Gly	Leu	Asp	Gly	Tyr	Lys	Gly	Val	Ser	Leu	Ala	Asn
				35					40					45
Trp	Val	Cys	Leu	Ala	Lys	Trp	Glu	Ser	Gly	Tyr	Asn	Thr	Asp	Ala
				50					55					60
Thr	Asn	Tyr	Asn	Pro	Gly	Asp	Glu	Ser	Thr	Asp	Tyr	Gly	Ile	Phe
				65					70					75
Gln	Ile	Asn	Ser	Arg	Tyr	Trp	Cys	Asn	Asn	Gly	Lys	Thr	Pro	Gly
				80					85					90
Ala	Val	Asn	Ala	Cys	His	Ile	Ser	Cys	Asn	Ala	Leu	Leu	Gln	Asn
				95					100					105
Asn	Ile	Ala	Asp	Ala	Val	Ala	Cys	Ala	Lys	Arg	Val	Val	Ser	Asp
				110					115					120
Pro	Gln	Gly	Ile	Arg	Ala	Trp	Val	Ala	Trp	Lys	Lys	His	Cys	Gln
				125					130					135
Asn	Arg	Asp	Val	Ser	Gln	Tyr	Val	Glu	Gly	Cys	Gly	Val		
				140					145					

<210> 35

<211> 148

PF-0634 USN

<212> PRT

<213> Nasalis larvatus

<220>

<221> misc_feature

<223> GenBank ID No: g1790984

<400> 35

Met Lys Ala Leu Ile Ile Leu Gly Leu Val Leu Leu Ser Val Thr
1 5 10 15
Val Gln Gly Lys Ile Phe Glu Arg Cys Glu Leu Ala Arg Thr Leu
20 25 30
Lys Lys Leu Gly Leu Asp Gly Tyr Lys Gly Val Ser Leu Ala Asn
35 40 45
Trp Val Cys Leu Ala Lys Trp Glu Ser Gly Tyr Asn Thr Glu Ala
50 55 60
Thr Asn Tyr Asn Pro Gly Asp Glu Ser Thr Asp Tyr Gly Ile Phe
65 70 75
Gln Ile Asn Ser Arg Tyr Trp Cys Asn Asn Gly Lys Thr Pro Gly
80 85 90
Ala Val Asp Ala Cys His Ile Ser Cys Ser Ala Leu Leu Gln Asn
95 100 105
Asn Ile Ala Asp Ala Val Ala Cys Ala Lys Arg Val Val Ser Asp
110 115 120
Pro Gln Gly Ile Arg Ala Trp Val Ala Trp Arg Asn His Cys Gln
125 130 135
Asn Arg Asp Val Ser Gln Tyr Val Lys Gly Cys Gly Val
140 145

A'
cont